

### ABSTRACT

~~Disclosed herein are an anisotropically conductive sheet usable in impedance measurement in a high frequency region of at least 1 GHz, particularly a high frequency region of at least 10 GHz, and an impedance measuring probe, which can prevent a board to be measured from being damaged upon impedance measurement and can achieve high reliability on measurement in a high frequency region of at least 1 GHz, particularly a high frequency region of at least 10 GHz.~~

The An anisotropically conductive sheet of the invention formed by containing conductive particles exhibiting magnetism in a sheet base composed of an elastic polymeric substance in a state dispersed in a plane direction thereof and oriented so as to align in a thickness-wise direction thereof. A thickness of the sheet is 10 to 100  $\mu\text{m}$ , a number average particle diameter of the conductive particles exhibiting magnetism is 5 to 50  $\mu\text{m}$ , a ratio  $W_1/D$  of the thickness  $W_1$  to the number average particle diameter  $D$  of the conductive particles exhibiting magnetism is 1.1 to 10, a content of the conductive particles exhibiting magnetism is 10 to 40% in terms of a weight fraction, ~~and the sheet is used for impedance measurement in a high frequency region.~~

~~The impedance measuring probe of the present invention is equipped with the anisotropically conductive sheet described above, and is used in a high frequency region.~~